

John Clarkson

P. John Clarkson, PhD, FREng

Title of Keynote: What has Engineering Design to say about Healthcare Improvement?

Biography:

John Clarkson is the Director of the Engineering Design Centre at the University of Cambridge (UK). He has three doctorates: a doctorate of Engineering, an honorary doctorate in engineering design, and a doctorate in science. After his first doctorate, he spent seven years with PA Consulting Group's Technology Division where he was Manager of the Advanced Process Group. He was appointed director of the Engineering Design Centre at Cambridge in 1997 and a University Professor in 2004.

At PA John gained wide experience of product development with a particular focus on the design of medical equipment and high-integrity systems, where clients required a risk-based systems approach to design to ensure timely delivery of safe systems. John is directly involved in the teaching of design at all levels of the undergraduate course.

His research interests are in the general area of engineering design, particularly the development of design methodologies to address specific design issues, for example, process management, change management, healthcare design and inclusive design. As well as publishing over 650 papers, he has written and edited a number of books on medical equipment design, inclusive design and process management.

John is currently leading a team with the Royal Academy of Engineering, the Royal College of Physicians and the Academy of Medical Sciences to develop a systems approach to healthcare redesign and continuous improvement.